

CLAIMS

We claim:

1. A set of nucleic acid tags comprising at least 10 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

2. The set of nucleic acid tags of Claim 1 comprising at least 100 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

3. The set of nucleic acid tags of Claim 1 comprising at least 500 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

4. The set of nucleic acid tags of Claim 1 comprising at least 1000 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

5. The set of nucleic acid tags of Claim 1 comprising at least 1500 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

6. The set of nucleic acid tags of Claim 1 comprising at least 2000 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

7. A set of nucleic acid tag-probes attached to a solid support comprising at least 10 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

8. The probes of Claim 7 wherein said set comprises at least 100 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

9. The probes of Claim 8 wherein said set comprises at least 500 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and

the complements of SEQ ID NOS: 1-2000.

10. The probes of Claim 9 wherein said set comprises at least 1000 nucleic acid sequences chosen from the group consisting of:
SEQ ID NOS: 1-2000; and
the complements of SEQ ID NOS: 1-2000.
11. The probes of Claim 10 wherein said set comprises at least 1500 nucleic acid sequences chosen from the group consisting of:
SEQ ID NOS: 1-2000; and
the complements of SEQ ID NOS: 1-2000.
12. The probes of Claim 11 wherein said set comprises at least 2000 nucleic acid sequences chosen from the group consisting of:
SEQ ID NOS: 1-2000; and
the complements of SEQ ID NOS: 1-2000.
13. A method of analyzing a nucleic acid sequence comprising:
attaching said nucleic acid sequence to a nucleic acid tag to form a sequence-tag complex wherein said nucleic acid tag is a sequence chosen from the group consisting of:
SEQ ID NOS: 1-2000;
the complements of SEQ ID NOS: 1-2000; and
hybridizing said sequence-tag complex to the complement of said nucleic acid tag.
14. The method of Claim 13 wherein said complement of said nucleic acid tag is attached to a solid support.

10. The probes of Claim 9 wherein said set comprises at least 1000 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and
the complements of SEQ ID NOS: 1-2000.

11. The probes of Claim 10 wherein said set comprises at least 1500 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and
the complements of SEQ ID NOS: 1-2000.

12. The probes of Claim 11 wherein said set comprises at least 2000 nucleic acid sequences chosen from the group consisting of:

SEQ ID NOS: 1-2000; and
the complements of SEQ ID NOS: 1-2000.

13. A method of analyzing a nucleic acid sequence comprising:
attaching said nucleic acid sequence to a nucleic acid tag to form a sequence-tag complex wherein said nucleic acid tag is a sequence chosen from the group consisting of:

SEQ ID NOS: 1-2000;
the complements of SEQ ID NOS: 1-2000; and
hybridizing said sequence-tag complex to the complement of said nucleic acid tag.

14. The method of Claim 13 wherein said complement of said nucleic acid tag is attached to a solid support.